Datasheet for ABIN7602459

anti-NDUFAF1 antibody (AA 79-327)

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Overview

Quantity:	100 µg
Target:	NDUFAF1
Binding Specificity:	AA 79-327
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFAF1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-NDUFAF1 Antibody Picoband®
Immunogen:	E.coli-derived human NDUFAF1 recombinant protein (Position: D79-K327).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NDUFAF1 Antibody Picoband® (ABIN7602459). Tested in ELISA, IHC, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NDUFAF1
Alternative Name:	NDUFAF1 (NDUFAF1 Products)
Background:	Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3, Tissue Specificity: Ubiquitous. Highly expressed in brain. . Background: Complex I intermediate-associated protein 30, mitochondrial (CIA30) is a protein that in humans is encoded by the NDUFAF1 gene. This gene encodes a complex I assembly factor protein. Complex I (NADH-ubiquinone oxidoreductase) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. The encoded protein is required for assembly of complex I, and mutations in this gene are a cause of mitochondrial complex I deficiency. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19.
Molecular Weight:	36 kDa
Gene ID:	51103
UniProt:	Q9Y375
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Dunning, C. J. R., McKenzie, M., Sugiana, C., Lazarou, M., Silke, J., Connelly, A., Fletcher, J. M., Kirby, D. M., Thorburn, D. R., Ryan, M. T. Human CIA30 is involved in the early assembly of mitochondrial complex I and mutations in its gene cause disease. EMBO J. 26: 3227-3237, 2007. 2. Fassone, E., Taanman, J.-W., Hargreaves, I. P., Sebire, N. J., Cleary, M. A., Burch, M., Rahman, S. Mutations in the mitochondrial complex I assembly factor NDUFAF1 cause fatal infantile hypertrophic cardiomyopathy. J. Med. Genet. 48: 691-697, 2011. 3. Janssen, R., Smeitink, J., Smeets, R., van den Heuvel, L. CIA30 complex I assembly factor: a candidate for human complex I deficiency? Hum. Genet. 110: 264-270, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.